

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number  
**WO 2005/097874 A2**

- (51) International Patent Classification<sup>7</sup>: **C08J 5/00**
- (21) International Application Number:  
PCT/NL2005/000272
- (22) International Filing Date: 8 April 2005 (08.04.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
04076083.7 8 April 2004 (08.04.2004) EP
- (71) Applicant (for all designated States except US): **DSM IP ASSETS B.V.** [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **VAN BENTHEM, Rudolfus, Antonius, Theodorus, Maria** [NL/NL]; Sportlaan 9, NL-6141 BR Limbricht (NL). **HAAS DE, Jacob, Leendert** [NL/NL]; Provencestraat 14, NL-6137 JP Sittard (NL). **MATTHEIJ, Jozef, Maria, Johannes** [NL/NL]; Vliekstraat 2, NL-6136 BG Sittard (NL). **VERMEULEN, Jacobus, Adriaan, Antonius** [NL/NL]; Skimmiastraat 21, NL-6163 MH Geleen (NL). **DE KEIJZER, Augustinus, Eugene, Henk** [NL/NL]; Morgensterstraat 35, NL-6133 VK Sittard (NL).
- (74) Agent: **KOSTER, Nico**; DSM Intellectual Property, P.O. Box 9, NL-6160 MA Geleen (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COATED SUBSTRATE

(57) Abstract: The invention relates to a method for coating a substrate, comprising the steps of: a) Applying a layer comprising a melamine-formaldehyde resin A to a substrate, whereby a coated substrate is formed; b) Optionally treating the coated substrate with IR- or NIR- radiation; c) Optionally applying an ink, dye solution or pigment dispersion to the coated substrate; d) Optionally applying a layer comprising a melamine-formaldehyde resin B to the coated substrate from step b) or c); e) Placing the coated substrate in a press; f) Optionally heating the coated substrate in the press for a certain amount of time; g) Increasing the pressure in the press and keeping the coated substrate under pressure for a certain amount of time. The invention further relates to a coated substrate as obtainable by the said method, and its use in a post-forming process.



WO 2005/097874 A2